

INDEX

AUTHORS

Abramson M, 156
Abbs JH, Suppl 100:15
Adam JS, 656
Alatorre G, 220
Anderson DJ, Suppl 100:9
Anderson R, 501
Arab M, 363
Arauz JC, 593
Atkins JP, Jr, 584
Bailey BJ, Suppl 100:21
Baker BM, 277
Baker CD, 277
Baker SR, 395
Baloh RW, 493
Bardawil WA, 571
Barrett KA, 82
Bartal A, 261
Batsakis JG, 342, 465, 541
Beach TP, 403
Bean SF, 142
Berci G, 558
Berlin CI, Suppl 100:15
Berliner KI, Suppl 91:11, 55, 59, 90
Berlinger FG, 363
Bhatnagar KP, Suppl 89
Biller HF, 246, 448
Birck HG, 403, 656
Birns JW, 417, 622
Black FO, Suppl 100:17
Blalock PD, 372
Blanks RHI, 185
Blitzer A, 156
Blom ED, 576
Bluestone CD, 179, Suppl 100:10
Bordley JW, Suppl 100:10
Bosma MM, 285
Breipohl W, Suppl 89
Bretlau P, 131
Briggs BR, Suppl 93, part I
Brimacombe JA, Suppl 91:27
Brinn JE, 82
Brook I, 41
Brookes GB, 299
Brookhouser PE, Suppl 100:19
Bumsted RM, 115
Burnett PA, 169
Bustamante-Balcárcel A, 166
Callier J, 175
Canalis RF, 27, 160
Cangir A, 431
Cantekin EI, 179, 256
Carlborg B, 209
Carlsson B, 76
Carniol PJ, 152
Catanzaro A, 70
Chambers H, 633
Cherry JD, 612
Chinnici JC, 659
Chung CT, 94
Clemis JD, 304
Cleveland PH, 70
Clopton BM, 285, Suppl 98
Cohen SR, 417, 622
Collard ME, 330
Conway W, 595
Cooper B, 310
Corral-Romero MA, 166
Cortese DA, 652
Costa F, 323
Crary WC, Suppl 91:55, 59
Cummings CW, 94, 370, 437, 670,
 Suppl 100:7
Curthoys IS, 185
Dabelsteen E, 131
Daniel HJ, III, 82
Danley MJ, Suppl 91:21
Daroff RB, 316
Davis KR, 543, 666
Davis LE, 90
Dayal VS, Suppl 95
Dedo HH, 425
Dee A, Suppl 97:62
Degreef F, 175
Dell'Osso LF, 316
DeLozier HL, 336
DeMaria TF, Suppl 93, part II
Denneny JC, 584
Dent LJ, Suppl 91:41
Densert B, 209
Densert O, 209
De Proost W, 175
DeRemee RA, 588
Deviri E, 261
Diamond SG, 225
Dichtel WJ, 431
Dobben GD, 506
Dobie RA, Suppl 100:15
Doslak MJ, 316
Dowart R, 501
Doyle KJ, Suppl 91:100
Doyle WJ, 150, 179, 256
Duckert LG, 33
Dudley JP, 612
Duncan RB, 200, 281
Eavey R, 230
Edens ET, 602
Edgerton BJ, Suppl 91:35, 100, 104,
 117
Eisenberg LS, Suppl 91:27, 47, 62, 67
Eisner L, 612
Eliachar I, 261
Elkins E, Suppl 100:17
Emery PJ, 234
Epstein MF, 485
Ervin TJ, 461
Escajadillo JR, 220
Eurenus S, 615
Eylan E, 163
Falk SA, 526
Farr GH, 392
Fearon B, 610
Fee WE, Jr, Suppl 100:17
Fenton E, 119
Fermin CD, 44
Feudo P, Jr, 485
Fisch U, 25, 474
Flores TC, 579
Fonseca R, 593
Frank JE, 403
Frederickson JM, Suppl 100:15
Fretz RJ, Suppl 91:21
Fried MP, 152, 485
Friedman EM, 41
Friedman M, 363
Frye-Osier HA, 272
Fryksmark U, 268
Fujita S, 595
Fulghum RS, 82
Furuya N, 225
Gacek RR, 469, Suppl 100:15
Gallia LJ, 450
Gantz BJ, 25
Garvin JP, 403
Gates GA, 454, Suppl 100:7, 19, 23
Gaynor BW, Suppl 99
Geller KA, 417, 622
Gerson CR, 413
Ghanma MA, 567
Giebink GS, 20
Goepfert H, 431
Goldsher M, 261
Goldstein R, 272
Goode RL, 526
Goodhill V, 351
Grundfast KM, 564
Guice C, 606
Gussen R, 27
Gutterman JU, 431
Hamaker RC, 576
Hamaya M, 101
Hamilton LH, 106
Handler SD, 628
Harford ER, 20
Hasegawa M, 112
Hartman MT, 70
Hawkins JE, Jr, Suppl 97:3, Suppl 100:
 11
Healy M, 310

INDEX

Healy GB, 230, 384
 Hearne EM III, 454
 Heaton SL, 292
 Heimlich HJ, 643
 Heller KA, 20
 Helmerich LF, Suppl 91:35
 Hicks G, 480
 Hicks JN, 389
 Hirano K, 101
 Hirsch JE, 272
 Hitselberger WE, Suppl 91:117
 Holinger LD, 407
 Honrubia V, 493
 House HP, Suppl 100:10
 House WF, Suppl 91:11, 15, 47, 67,
 74, 100, 104, 117
 Huang C-C, 156
 Hubbard DG, 193
 Huck GF, Jr, 659
 Hürzeler D, 57
 Igarashi M, 44, Suppl 100:17
 Jackler RK, 425
 Jackson RT, 216
 Jafek BW, 136, Suppl 100:7
 Jares A, Suppl 95
 Jenkins HA, 25, 493
 Johns ME, Suppl 100:9
 Johnson JT, 94, 597, Suppl 100:9
 Johnson L-G, 193, Suppl 91:74, Suppl
 97:3
 Jørgensen MB, 131
 Jornsay D, 633
 Joy MLG, Suppl 95
 Karlan MS, 608, Suppl 100:10
 Kashima H, Suppl 99
 Keane WM, 584
 Kennedy DW, Suppl 92
 Kennedy, TL, 670
 Khan WN, 328
 Kileny P, 61
 Kimmelman CP, 339
 Kimura RS, 5
 Kinsey JH, 652
 Kirchner FR, 382
 Kishimoto S, 25
 Kitamura K, 5
 Kleinsasser O, 378
 Kodama A, Suppl 96
 Koegel L, Jr, 579
 Kohut RI, Suppl 100:9
 Konrad HR, 493
 Kopstein E, Suppl 92
 Kosugi T, 101
 Koufman JA, 372
 Kraus EM, 237
 Krause CJ, 395, Suppl 100:11
 Krueger LJ, 115
 Kumar A, 510
 Lawrence C, 633
 Lawson W, 448
 Le HT, 277
 Lechago J, 160
 Leipzig B, 94
 Lejeune FE, Jr, 392, 606
 LeTardi F, 606
 Lewis DM, Suppl 93, part II
 Levine HL, 579
 Lim DJ, Suppl 93, parts I, II, Suppl
 100:11
 Lindeman RC, 169
 Lindesmith GG, 622
 Lingeman RE, 458
 Linthicum FH Jr, Suppl 91:74, Suppl
 97:3
 Liquori J, 633
 Liston SL, 98
 Lloyd GAS, 234
 Lo A, Suppl 95
 Lundberg C, 76
 Maeda S, Suppl 94
 Mafee MF, 510, 571
 Maisel RH, 98
 Malmgren LT, Suppl 100:15
 Mangham CA, Jr, 169
 Marice H, 606
 Markham CH, 185, 225
 Marshak G, 256
 Mathog RA, Suppl 100:19
 Martinez CR, Suppl 99
 Matsuo O, 101
 Mattox DE, Suppl 100:11
 Matulionis DH, Suppl 89
 Maves MD, 458
 McCabe BF, 1, 237, 350
 McDonald TJ, 359, 588
 McElveen JT, 526, 538
 McGee TJ, 304
 McGuire WF, 599
 Merkle M, 501
 Mesolella C, 323
 Meyer BW, 622
 Mihara H, 101
 Millen SJ, 122
 Miller C, 526
 Miller D, 461
 Miller JM, 33, Suppl 100:17
 Miller LW, Suppl 91:55, 59
 Milmoe G, 564
 Mogi G, Suppl 93, part II; Suppl 94
 Møller M, 597
 Montgomery WW, 65, 344
 Moon RE, Suppl 95
 Moor EE, 389
 Moore EJ, Suppl 100:15
 Morelli G, 323
 Mori S, 250
 Morris HL, 115
 Myers EN, 450
 Nadol J, Jr, 666
 Nager GT, Suppl 92, Suppl 97:33
 Naunton RF, Suppl 100:19
 Needleman SW, 145
 Neel HB, III, 359, 588
 Neely JC, Suppl 100:9
 Negri M, 543
 Nelson JR, Suppl 91:47
 Newton L, 633
 Niimi S, 119
 Nomura Y, 250
 Norton ML, 567
 Obiako MN, 325
 Ogawa A, 14, 136
 Oh M, Suppl 94
 Ohlsson K, 76, 268
 Ojemann RG, 543
 Olsen AM, 551
 Olson J, 501
 Ossoff RH, 608
 Panje WR, 53, Suppl 100:7
 Paparella MM, Suppl 100:10
 Pasley NRT, 204, 332
 Pfingst BE, Suppl 98
 Phelps PD, 234
 Polling Å, 268
 Popovich J, 595
 Potsic WP, 339, 628
 Proctor B, Suppl 97:33
 Proctor L, Suppl 100:7
 Pulec JL, 122
 Rapin I, Suppl 97:62
 Reardon EJ, 65
 Redianu C, 163
 Reed GF, 352
 Robinson E, 261
 Rodriguez WJ, 328
 Rohn D, 150
 Rothmann BF, 641
 Rouse RC, 193, Suppl 97:3
 Rowe LD, 584
 Rubel EW, Suppl 100:17
 Ruben RJ, 633, Suppl 97:62, Suppl 100:
 21
 Rubin W, 489
 Rubinstein A, 205
 Ryan AF, 70
 Sacks S, 448
 Sagerman RH, 94
 Sakurai T, 250
 Sandlin RE, 521
 Sando I, 14, 136, Suppl 96
 Santulli B, 323
 Sasaki CT, 670
 Saunders WH, 445
 Schaefer SD, 292, 399, 501
 Schiff M, 521
 Schild JA, 571
 Schley WS, 119
 Schuknecht HF, 5, Suppl 97:16
 Schuller DE, 403, Suppl 100:9
 Schwartz RH, 328
 Schwartz RM, 467
 Schut L, 339
 Seguin FW, 641
 Senturia BH, 2, 4, 126
 Sergeant R, 53
 Sessions RB, 142, 431
 Shanon E, 163
 Shapiro ED, 150
 Shapshay SM, 384, 648
 Shea JJ, 516
 Shelton VK, 363
 Shugar JMA, 246
 Shugar MA, 65
 Siegelman SS, Suppl 99
 Simmons FB, 266, Suppl 100:10
 Simpson GT, 384
 Singer MI, 576
 Skolnik EM, 363

Smith LE, 266
 Smith MFW, 538
 Smith RJH, 142
 Snow JB, Jr, Suppl 100:21
 Snyderman NL, 597
 Sohmer H, 205
 Som PM, 246
 Sørensen CH, 131
 Spelman FA, Suppl 98
 Stearns MP, 370
 Stebbins WB, Suppl 100:19
 Stein R, 633
 Steinitz R, 261
 Steward DJ, 610
 Stone RT, 641
 Strome M, 485
 Strong MS, 384, 648
 Sulek M, 431
 Supancic JS, 256

Tegner H, 268
 Testa B, 323
 Thearle PB, 597
 Thielemeier MA, Suppl 91:27
 Thompson GE, 605
 Thompson JW, 417, 622

Thomsen J, 240
 Tingwald FR, 330
 Torok N, 510
 Tos M, 240
 Tucker HM, 440
 Tsuchida M, 250
 Tucker GF, Jr, 413
 Tucker HM, 440, 579
 Tung M-S, 297
 Valvassori GE, 506, 571
 Van Horn HW, III, 392
 Vannieuwenhuysse E, 175
 Van Overbeek JJ, 602
 Vaughan CW, 384
 Ventruito V, 323
 Wagner CA, 330
 Wald ER, 150
 Walker EE, 389
 Walker LH, 641
 Ward PH, 493, 558, Suppl 100:11
 Watanabe N, Suppl 93, parts I, II
 Weber AL, 230, 344, 543, 666
 Weber K, 272
 Wehrs RE, 533
 Weichselbaum RR, 461
 Weinberg AG, 193

Welsh JJ, 310, 659
 Welsh LW, 310, 659
 Wessberg GA, 292
 Wetmore RF, 628
 Wexler M, Suppl 91:55, 59
 Weymuller EA, Jr, 437, 670
 Wiederhold ML, Suppl 100:7
 Wilms D, 595
 Wilson WR, 344
 Windle-Taylor PC, 234
 Wolf G, Suppl 100:15
 Woo P, 615
 Wood BG, 579
 Work WP, Suppl 90
 Wright CG, 193
 Wright JW, Jr, 480
 Wright JW, III, 480

Yanagisawa E, 354
 Yarington CT, Jr, 605
 Yee RD, 493

Zárate A, 220
 Zikk D, 163
 Zorick F, 595
 Zubick HH, 485
 Zulliger JJ, 403

SUBJECTS

Abductor vocal cord paralysis, congenital hereditary bilateral, 564
 Abscess, periapical, in children, and intracranial complications of sinusitis, 41
 Acoustic reflex latency, standardization of in humans and nonhuman primates, 169
 Adult sleep apnea, brainstem evoked potentials in, 597
 Alexander's law, model and study of, 316
 Allergies; vocal quality, articulation and audiological characteristics in children and young adults with, 277
 Allografts, ossicular replacement, lyophilized partial, 538
 American Board of Otolaryngology: 1950-1979, Suppl 90
 Ampicillin, use in treatment of pneumococcal otitis media (chin-chilla model), 256
 Ampicillin-resistant *Hemophilus influenzae*, otitis media secondary to, 328
 Anesthetic gas scavenger, use during open rigid bronchoscopy, 610
 Aneurysm, intracavernous internal carotid artery (X-ray study of the month), 543
Annals, history of, 1892-1982, 2
 Anomalies, congenital, and polytomography of ear, 480
 Antigen, introduction into middle ear, humoral and cell-mediated immunity in peripheral blood, 70
 Antileukoprotease, distribution in upper respiratory mucosa, 268
 Apnea, adult sleep, brainstem evoked potentials in, 597
 Obstructive sleep, anatomic abnormalities in, 595
 Argon laser and stapedotomy, 25
 Artery, labyrinthine, and eighth cranial nerve, inner ear pathology following injury to, 136
 Artificial larynx, endotracheal, Suppl 95
 Artificial stapes, hair-clip type piston, and safety auger, 297
 Atlantoaxial instability, alert for endoscopists, 567
 Auditory brainstem evoked response, accuracy with unknown hearing level, 266
 Auditory brainstem response and effects of conductive hearing loss, 304
 Auditory brainstem responses, indicators of hearing aid performance, 61

Auditory canal, internal, computed tomographic air-contrast scanning of, 501
 Auditory evoked potentials, normal neonatal brainstem, 485
 Auditory nerve response, latency in neonates one to eight hours old, 205
 Auditory prosthesis, neural mechanisms relevant to design: location and electrical characteristics, Suppl 98
 Autosomal dominant inheritance, presumed, and familial laryngeal abductor paralysis, 323
 Binocular counterrolling during sustained body tilt, and unilateral vestibular nerve section, 225
 Biofeedback rehabilitation, use in seventh nerve paralysis, 166
 Blom-Singer and Panje voice prostheses, primary vocal rehabilitation using, 458
 Blood, peripheral, humoral and cell-mediated immunity following introduction of antigen in middle ear, 70
 Blood vessels, nasal, evidence for presynaptic parasympathetic receptors on, 216
 Bone cyst, aneurysmal, of sphenoid in child, 339
 Bone labeling, tetracycline, improved technique using incident fluorescence, 160
 Bone resorption in human cholesteatomas, 131
 Bony auditory tube and otitis media with effusion, 200
 Book Reviews
 Barber HO, Stockwell CW, *Manual of electronystagmography*, 547
 Bess FH, McConnell FE, *Audiology, education and the hearing-impaired child*, 346
 Dayal VS, *Clinical otolaryngology*, 233
 Desmedt JE, *Spinal and supraspinal mechanisms of voluntary motor control and locomotion*, 347
 Ellis RE, Flack FC, *Diagnosis and treatment of palatoglossal malfunction*, 548
 Fairbanks DNF, *Pocket guide to antimicrobial therapy in otolaryngology*, 547
 Fisch U, *Tympanoplasty and stapedectomy, a manual of techniques*, 467
 Greene MCL, *The voice and its disorders*, 346
 Haughton PM, *Physical principles of audiology*, 548
 Hill B, *Verbal dyspraxia in clinical practice*, 347

Lasjaunias PL, Berenstein A, *Craniofacial and upper cervical arteries: functional, clinical & angiographic aspects*, 547
 Lehmann W, Pidoux J-M, Widmann J-J, *Larynx: Microlaryngoscopy and Histopathology*, 670.
 Lesavoy MA, *Reconstruction of the head and neck*, 347
 McGuirt WF, *Pediatric otology case studies*, 548
 Pindborg JJ, *Oral cancer and precancer*, 546
 Proctor DF, *Breathing, speech, and song*, 347
 Ramwell P, *Prostaglandin synthetase inhibitors: new clinical applications*, 346
 Smythe GDL, *Chronic ear diseases*, 467
 Snow JB, Jr, *Controversy in otolaryngology*, 233
 Stevens KN, Hirano M, *Vocal fold physiology*, 547
 Studebaker GA, Hochberg I, *Acoustic factors affecting hearing aid performance*, 546
 Suen JY, Myers E, *Cancer of the head and neck*, 548
 Van der Brink G, Bilsen FA, *Psychophysical, physiological and behavioural studies in hearing*, 233
 Brainstem auditory evoked potentials, normal neonatal, 485
 Brainstem dysfunction, cortical, subcortical and, in dyslexic children, 310
 Brainstem evoked potentials in adult sleep apnea, 597
 Brainstem responses, auditory, as indicators of hearing aid performance, 61
 Bronchoscopic lavage, limited, adjunct to therapy for cystic fibrosis patients, 641
 Bronchoscopy, fluorescence, new techniques and results, 57
 Open rigid, anesthetic gas scavenger for use during, 610
 Canal, facial, anatomy; variations and anomalies of, Suppl 97:33
 Cancer, metastatic head and neck, basic principles of chemotherapy in treatment of, 145
 Cancer of head and neck, chemical modulation of hypoxic fraction in treatment of, 461
 Cancer of tracheobronchial tree, hematoporphyrin-derivative phototherapy for local treatment of, 652
 Capsular otosclerosis with hydrops, cochlear and otoconial abnormalities in, Suppl 97:3
 Carbon dioxide laser, heat sink protection against lasereng endotracheal cuffs, 606
 Incendary characteristics of endotracheal tubes with (supplemental report), 605
 Carbon dioxide laser and podophyllum in treatment of laryngeal papilloma, 425
 Carbon dioxide laser surgery, universal endoscopic coupler for, 608
 Carcinoma, anterior tongue, 94
 Head and neck, in patients under 40 years old, 152
 Laryngeal, in Israel (1960-1976), occurrence of primary additional neoplasms in patients with, 261
 Squamous cell, of human parotid gland, collagenase activity in, 156
 Thyroid, laryngotracheal invasion by, 363
 Carcinomas, middle ear, bilateral, and Waldenström's macroglobulinemia, 299
 Carotid artery, intracavernous internal aneurysms of (X-ray study of the month), 543
 Catheter, Foley, use for removal of esophageal foreign bodies, 599
 Caustic ingestion, pediatric, 656
 Chemotherapy, basic principles of treatment of metastatic head and neck cancer, 145
 Cholesteatomas, human, bone resorption in, 131
 Chondrosarcoma of larynx, diagnosis and conservative surgical management of, 392
 Excision of massive recurrence of, 392
 Cilia, nonbeating, scanning electron microscopic examination of, 612
 Circulation, hindbrain, evaluation by dynamic computed tomography, 506
 Cochlea (guinea pig), acute morphological changes following electrical stimulation, 33
 Cochlear abnormalities, otoconial abnormalities, and in capsular otosclerosis in hydrops, Suppl 97:3
 Cochlear aqueduct, functional patency of, 209
 Cochlear hydrops, collapsed saccule and ductus reuniens, 5
 Cochlear implants. *See* Implants, cochlear
 Cochlear prosthesis, tissue impedance and current flow in implanted ear, Suppl 98
 Cochleovestibular lesions and typhoid fever, 220
 Collagenase activity in squamous cell carcinoma of human parotid gland, 156
 Computed tomography, dynamic, evaluation of hindbrain circulation by, 506
 Computed tomography of neck, Suppl 99
 Computerized tomography, laryngeal malignancies and, correlation of tomographic and histopathologic findings, 571
 Congenital palatal incompetence, indications before diagnosis, 115
 Cortical dysfunction, subcortical, brainstem and, in dyslexic children, 310
 Cranial nerve, eighth, and labyrinthine artery, inner ear pathology following injury to, 136
 Cricothyroidotomy, antecedent endotracheal intubation and, 437
 Croup and epiglottitis, assessment of intubation in, 403
 Cryoglobulinemia, deafness in, 250
 Cryoprobe for palliative care, 204
 Cuffs, tonsillar, microcrypt extensions of, Suppl 94
 Cuffs, endotracheal, heat sink protection against lasereng, 606
 Cyst, aneurysmal bone, of sphenoid in child, 339
 Cystic fibrosis patients, bronchoscopic limited lavage as adjunct to therapy for, 641
 Cysticercosis cerebri, neurologic implications of, 122
 Cysts, foregut, diagnosis and management in infants and children, 622
 Deafness, sudden, resulting from infection by *Mycoplasma pneumoniae*, 163
 Deafness in cryoglobulinemia, 250
 Deglutition, successful, following supraglottic laryngeal surgery, factors in 579
 Deltopectoral flap, and combined pectoralis major myocutaneous flap for closure of large pharyngocutaneous fistulas, 98
 Diseases, midfacial necrotizing (Pathology consultation), 541
 Ductus reuniens, collapsed saccule and cochlear hydrops, 5
 Dyslexic children, cortical, subcortical, and brainstem dysfunction in, 310
 Dysplasia, fibrous, review and manifestations in temporal bone, Suppl 92
 Otoconial membrane, vaterite otoconia in, 193
 Ear, inner, experimental viral infections (in hamster) and viremic spread of reovirus to eighth nerve ganglion cells, 90
 Middle, bilateral carcinomas of, Waldenström's macroglobulinemia, 299
 Middle, cavity, comparative anatomy of eustachian tube for otitis media (animal models), 82
 Middle, electrical stimulation for activating central auditory pathways, 285
 Middle, findings and tympanic configurations in otitis media, 20
 Middle, sound transmission, effect of mastoid cavity modification on, 526
 Polytomography and congenital anomalies of, 480
 Recruiting, 521
 Editorial, 4
 Effusions, middle ear, granulocyte proteases in, 76
 Electrical stimulation of middle ear for activating central auditory pathways, 285
 Electrocerebral response components to clicks, early- and middle-AER, indices for neonatal hearing screening, 272
 Electron microscope, scanning, in examination of nonbeating cilia, 612

Endolymphatic sac and vestibular aqueduct, postnatal development of, Suppl 96

Endolymphatic sac (rugose portion) and vestibular aqueduct in human temporal bones, dimensional anatomy and statistical analysis of, Suppl 96

Endoscopic coupler, universal, for carbon dioxide laser surgery, 608

Endotracheal artificial larynx, Suppl 95

Endotracheal cuffs, heat sink protection against lasering, 606

Endotracheal intubation, antecedent, and cricothyroidotomy, 437

Endotracheal tubes, incendiary characteristics with carbon dioxide laser (supplemental report), 605

Epiglottitis and croup, assessment of intubation in, 403

Epithelium, olfactory (in mouse), degeneration and regeneration of, Suppl 89

Epithelium of monkey larynx, age-related changes in, 370

Esophageal obstruction, simple endoscopic intubation technique in, 602

Esophageal speech, predicting, 454

Esophagology, update on, 551

Eustachian tube, middle ear cavity and comparative anatomy for otitis media (animal models), 82
Normal function of, comparison in rhesus monkey and man, 179

Evoked potentials, brainstem, in adult sleep apnea, 597
Normal neonatal brainstem auditory, 485

Evoked response, auditory brainstem, and unknown hearing level, 266

Extraskeletal mandibular fixation, monophasic, head and neck surgery and, 292

Facial canal, anatomy, variations, anomalies, Suppl 97:33
Spatial occupancy of vessel and facial nerve, 14

Familial laryngeal abductor paralysis, presumed autosomal dominant inheritance, 323

Fever, typhoid, and cochleovestibular lesions, 220

Fibrous dysplasia, review and manifestations of disease in temporal bone, Suppl 92

Fistula, pharyngocutaneous, large, pectoralis major myocutaneous flap with medially based deltopectoral flap for closure of, 98
Simultaneous round and oval window, in child, 332
Tracheoesophageal, complication of foreign body, 325

Flap, deltopectoral, and combined pectoralis major myocutaneous flap for closure of large pharyngocutaneous fistulas, 98
Pectoralis major myocutaneous, combined, and deltopectoral flap for closure of large pharyngocutaneous fistulas, 98

Foley catheter, use for removal of esophageal foreign bodies, 599

Foregut cysts, diagnosis and management in infants and children, 622

Foreign bodies, esophageal, use of Foley catheter in removal of, 599

Fossa, infratemporal, approach for glomus tumors of temporal bone, 474

Fossa lesions, posterior, anatomic specificity of central vestibular signs in, 510

Ganglion, eighth nerve, and viremic spread of reovirus in experimental viral infections of inner ear (hamster), 90

Giant apical air cell syndrome, 237

Glottic incompetence, posterior, correction following horizontal partial laryngectomy, 448

Granulomatosis, Wegener's, appearing initially in trachea, 593
Of subglottis and upper portion of trachea, 588

Hair-clip type piston artificial stapes and safety auger, 297

Harmonic acceleration tests, computerized, vestibular subjective sensation and nystagmus responses during, 493

Harmonic acceleration tests as measure of vestibular compensation, 489

Hearing, preservation and acoustic neuroma surgery, 240

Hearing loss, conductive, effects on auditory brainstem response, 304

Hearing screening, neonatal, early- and middle-AER components to clicks as response indices in, 272

Hematoporphyrin-derivative phototherapy for local treatment of cancer of tracheobronchial tree, 652

Hemophilus influenzae, ampicillin-resistant, secondary to otitis media, 328

History, *Annals*, 1892-1982, 2

Home care of pediatric tracheotomy patient, 633

Homograft tympanic membrane after 12 years, 533

Hypertelorism in nasal and paranasal sinus polyposis (X-ray study of the month), 344

Hypoxic fraction, chemical modulation in treatment of head and neck cancer, 461

Idiopathic vocal cord paralysis, so-called, observations on, 558

Implants, cochlear, progress and perspectives, Suppl 91
Audiological results, 27
Bilateral; otopathological findings, 74
Cochlear nucleus stimulation in humans, 117
Comparison in promontory and cochlear implants in single subject, 100
Initial experience with children, 67
Multiple-electrode, 104
Overview, 11
Psychoelectric measurements and results from patients, 35
Psychological effects: patient and "index relative" perceptions, 59
Psychometric studies and clinical interviews, 55
Risks and benefits of, 90
Single electrode; design and functioning of units, 21
Effects on vestibular system of profoundly deaf, 47
Vowel discrimination, 41
Surgical considerations, 15
Use by prelingually deaf, 62

Incident fluorescence, use in tetracycline bone labeling, 160

Infant tracheotomy, 413

Ingestion, pediatric caustic, 656

Instability, atlantoaxial, alert for endoscopists, 567

Interferon, leukocyte, and juvenile laryngeal papillomatosis, 431

Internal auditory canal, computed tomographic air-contrast scanning of, 501

Intubation, antecedent endotracheal, and cricothyroidotomy, 437
Assessment in croup and epiglottitis, 403
Complications of, 584

Intubation technique, simple endoscopic, in esophageal obstruction, 602

Invasion, laryngotracheal, by thyroid carcinoma, 363

Labyrinthectomy, behavior of vestibular nerve following, Suppl 97:16

Labyrinthine artery and eighth cranial nerve, inner ear pathology following injury to, 136

Language development, speech development and, in parent-infant total communication program, Suppl 97:62

Laryngeal papilloma, treatment with carbon dioxide laser and podophyllin, 425

Laryngeal papillomatosis, juvenile, and leukocyte interferon, 431

Laryngeal paralysis, endoscopic rehabilitation of airway in, 382

Laryngeal paralysis in children, 417

Laryngeal sarcoidosis, 359

Laryngeal stenosis and tracheal stenosis, endoscopic management and predictive factors of success or failure, 384

Laryngeal surgery, supraglottic, factors in successful deglutition following, 579

Laryngeal trauma, primary management of, 399

Laryngectomy, horizontal partial, correction of posterior glottic incompetence following, 448
Total, tracheostomal stenosis following, 450

Laryngoscope, operating, dynamics of Venturi jet ventilation through, 615

Larynx, age-related changes in epithelium of monkeys, 370
Chondrosarcoma of, diagnosis and conservative surgical management of, 389
Excision of massive recurrence in, 392

Endoscopic rehabilitation of airway in laryngeal paralysis, 382

Endotracheal artificial, Suppl 95

Intrinsic malignant schwannoma of, 336

Nerve-muscle pedicle reinnervation of, 440

Office telescopic photography of, 354

Laser, argon, and stapedotomy, 25
Carbon dioxide, heat sink protection against lasering endotracheal cuffs, 606
Incendiary characteristics of endotracheal tubes with (supplemental report), 605
Surgery, universal endoscopic coupler for, 608

Latency, acoustic reflex, standardization in humans and non-human primates, 169

Lavage, bronchoscopic limited, adjunct to therapy for cystic fibrosis patients 641

Lesions, cochleovestibular, and typhoid fever, 220
Posterior fossa, anatomic specificity of central vestibular signs in, 510

Letters to the Editor, 234, 467, 670

Leukocyte interferon, juvenile laryngeal papillomatosis with, 431

Levodopa-treated Parkinson's disease, vocal symptoms in, 119

Macroglobulinemia, Waldenström's, and bilateral middle ear carcinomas, 299

Malignancies, extrathoracic, mediastinoscopy for, 659
Laryngeal, and computerized tomography, correlation of tomographic and histopathologic findings, 571
Metastatic distant, tracheobronchial obstruction from, 648

Malleus handle probe, middle ear and, 281

Mandibular fixation, monophasic extraskeletal, head and neck surgery and, 292

Mastoid cavity, effect of modification on middle ear sound transmission, 526

Mediastinoscopy, use in extrathoracic malignancies, 659

Membrane, otoconial, dysplasia and vaterite otoconia in, 193

Middle ear, electrical stimulation for activating central auditory pathways, 285
Findings and tympanic configurations in otitis media, 20
Humoral and cell-mediated immunity in peripheral blood following introduction of antigen, 70

Middle ear carcinomas, bilateral, and Waldenström's macroglobulinemia, 299

Middle ear cavity, comparative anatomy of eustachian tube for otitis media (animal models), 82

Middle ear muscle tinnitus, conditioned, 330

Middle ear sound transmission, effect of mastoid cavity modification on, 526

Mixed tumor, malignant (Pathology consultation), 342

Mucormycosis, temporal bone, 27

Mucosa, upper respiratory, distribution of antileukoprotease in, 268

Mucous membrane, paranasal, characteristics of tissue plasminogen activator in chronic sinusitis, 101

Mycoplasma pneumoniae, infection and sudden deafness resulting from, 163

Myocutaneous flap, free, and revascularization of skin using myo-vascular pedicle (animal model), 53
Pectoralis major, and deltopectoral flap for closure of large pharyngocutaneous fistulas, 98

Myo-vascular pedicle, and revascularization of skin using animal model, 53

Nasal cycle, postural variations in nasal resistance and, 112

Nasal resistance, nasal cycle and postural variations in, 112

Nasal turbinates, inferior, surgery of, 445

Nasopharynx, rhabdomyosarcoma of (X-ray study of the month), 230

Neck, computed tomography of, Suppl 99

Neonates one to eight hours old, latency of auditory nerve response in, 205

Neoplasms, additional primary, occurrence in patients with laryngeal carcinoma in Israel (1960-1976), 261
Salivary gland, metastatic patterns of, 465

Nerve, auditory, latency of response in neonates one to eight hours old, 205
Eighth cranial, and labyrinthine artery, inner ear pathology following injury to, 136
Facial, and spatial occupancy of vessels in facial canal, 14

Nerve-muscle pedicle reinnervation of larynx, 440

Nerve section, unilateral vestibular, and binocular counter-rolling during sustained body tilt, 225

Neurectomy, singular, update, 469

Neurotoma, acoustic, surgery and preservation of hearing, 240

Nonbeating cilia, scanning electron microscopic examination of, 612

Nystagmus responses and vestibular subjective sensation during computerized harmonic acceleration tests, 493

Obituary, French K. Hansel, 232
Samuel Rosen, 126
Ben H. Senturia, 351

Obstruction, esophageal, simple endoscopic intubation technique in, 602
Tracheobronchial, from metastatic distant malignancies, 648

Obstructive sleep apnea, anatomic abnormalities in, 595

Olfactory epithelium (in mouse), degeneration and regeneration of, Supp. 89

Open rigid bronchoscopy, anesthetic gas scavenger for use during, 610

Operating laryngoscope, dynamics of Venturi jet ventilation through, 615

Ossicular replacement allografts, lyophilized partial, 538

Otitis media, comparative anatomy of eustachian tube and middle ear cavity (animal models), 82
Experimental, tympanic configurations and middle ear findings, 20
Experimental (in chinchillas), Suppl 93: baseline immunological investigation, part 1; middle ear immune response to *S. pneumoniae* types 3 and 23, part 2

Pneumococcal, ampicillin in treatment (chinchilla model), 256
Secondary to ampicillin-resistant *Haemophilus influenzae*, 328

Otitis media with effusion and bony auditory tube, 200

Otoconial abnormalities, cochlear abnormalities and, in capsular otosclerosis with hydrops, Suppl 97:3

Otoconial membrane dysplasia, vaterite otoconia in, 193

Otolaryngology, American Board of, 1950-1979, Suppl 90
First National Conference on Research Goals and Methods in, Suppl 100

Otolaryngology-head and neck surgery, dilemma of subcertification in, 352

Otosclerosis, capsular, with hydrops, cochlear and otoconial abnormalities in, Suppl 97:3

Oval window fistula and round fistula, simultaneous, in child, 332

Oxatomide, use in treatment of chronic allergic rhinitis, 175

Palatal incompetence, congenital indications before diagnosis, 115

Palliative care, use of inexpensive effective cryoprobe for, 204

Panje and Blom-Singer voice prostheses, primary vocal rehabilitation using, 458

Papilloma, laryngeal, treatment with carbon dioxide laser and podophyllum, 425

Papillomatosis, juvenile laryngeal, leukocyte interferon use in, 431

Paralysis, abductor vocal cord, congenital hereditary bilateral, 564

Familial laryngeal abductor, and presumed autosomal dominant inheritance, 323

Laryngeal, endoscopic rehabilitation of airway in, 382
In children, 417

Seventh nerve, biofeedback rehabilitation in, 166

Vocal cord, observations on so-called idiopathic, 558

Parkinson's disease, vocal symptoms in levodopa-treated, 119

Parotid gland, human, collagenase activity in squamous cell carcinoma of, 156

Patency, functional, and cochlear aqueduct, 209

Pathology consultation: malignant mixed tumor, 342
Metastatic patterns of salivary gland neoplasms, 465
Midfacial necrotizing diseases, 541

Pediatric tracheostomy, 628

Pedicle, myovascular, and revascularization of skin (animal model), 53
Nerve-muscle, reinnervation in larynx, 440

Pemphigoid, benign mucous membrane, 142

Periapical abscess, and intracranial complications of sinusitis in children, 41

Peripheral blood, humoral and cell-mediated immunity following introduction of antigen into middle ear, 70

Photography, telescopic, of larynx in office, 354

Phototherapy, hematoporphyrin-derivative, for treatment of cancer of tracheobronchial tree, 652

Podophyllum and carbon dioxide laser, treatment of laryngeal papilloma with, 425

Polyposis, nasal and paranasal sinus, hypertelorism in (X-ray study of the month), 344

Polyps, vocal cord, pathogenesis of, 378

Polytomography, and congenital anomalies of ear, 480

Probe, malleus handle, middle ear and, 281

Propylhexedrine, nasal decongestant effect of, 106

Prosthesis, auditory, neural mechanisms relevant to design: location and electrical characteristics, Suppl 98
Cochlear, tissue impedance and current flow in implanted ear, Suppl 98

Proteases, granulocyte, and middle ear effusions, 76

Pterygomaxillary tumors, extended transantral approach to, 395

Receptors, presynaptic parasympathetic, evidence on nasal blood vessels, 216

Reovirus, viremic spread (in hamster) to eighth nerve ganglion cells and experimental viral infections in middle ear, 90

Research goals and methods in otolaryngology, first national conference on, Suppl 100

Resorption, bone, in human cholesteatomas, 131

Respiratory rehabilitation with transtracheal oxygen system, 643

Rhabdomyosarcoma of nasopharynx (X-ray study of the month), 230

Rhinitis, chronic allergic, oxatamide in treatment of, 175

Round fistula and oval window fistula, simultaneous, in child, 332

Saccule, collapsed, ductus reuniens and cochlear hydrops, 5

Salivary gland neoplasms, metastatic patterns of, 465

Sarcoidosis, laryngeal, 359

Schwannoma of larynx, intrinsic malignant, 336

Schwannomas, paranasal sinus, management of, 65

Semicircular canal structure, postnatal development in cat and guinea pig, 185

Senturia, Ben H. Dedication, 1; In Memoriam, 349; Tribute, 350

Seventh nerve paralysis, use of biofeedback rehabilitation in, 166

Sleep apnea, adult, brainstem evoked potentials in, 597
Obstructive, anatomic abnormalities in, 595

Sinus, maxillary, bacteriology in rhesus monkeys, 150

Paranasal, schwannomas of, 65

Sinusitis, chronic and tissue plasminogen activator from paranasal mucous membrane, 101

Intracranial complications in children with periapical abscess, 41

Speech and language development in parent-infant total communication program, Suppl 97:62

Sphenoid, aneurysmal bone cyst of, in child, 339

Squamous cell carcinoma of human parotid gland, collagenase activity in, 156

Squirrel monkey, vestibular ganglion of, 44

Stapedectomy, long-term report, 516

Stapedotomy, argon laser, 25

Stapes, artificial, hair-clip type piston and safety auger, 297

Stenosis, laryngeal and tracheal, success or failure in endoscopic management of, 384
Severe subglottic, treatment without tracheotomy, 407

Tracheostomal, following total laryngectomy, 450

Subcertification in otolaryngology-head and neck surgery, 352

Subcortical dysfunction, and brainstem and cortical dysfunction, in dyslexic children, 310

Subglottic stenosis, severe, treatment without tracheotomy, 407

Subglottis and upper portion of trachea, Wegener's granulomatosis of, 588

Supraglottic laryngeal surgery, factors in successful deglutition following, 579

Syndrome, giant apical air cell, 237

Telescopic photography of larynx in office, 354

Temporal bone, infratemporal fossa approach for glomus tumors of, 474
Mucormycosis, 27
Review and manifestations of fibrous dysplasia in, Suppl 92

Tetracycline bone labeling using incident fluorescence, 160

Thyroid carcinoma, laryngotracheal invasion by, 363

Tinnitus, conditioned middle ear muscle, 330

Tissue plasminogen activator and paranasal mucous membrane, characteristics in chronic sinusitis, 101

Tomography, computed, air-contrast scanning of internal auditory canal, 501
Computed, of neck, Suppl 99
Computerized, laryngeal malignancies and, correlation of tomographic and histopathologic findings, 571
Dynamic computed, evaluation of hindbrain circulation by, 506

Tongue, anterior, carcinoma of, 94

Tonsillar crypts, microcrypt extensions of, Suppl 94

Total communication program, parent-infant, speech and language development in, Suppl 97:62

Trachea, upper portion, and subglottis, Wegener's granulomatosis of, 588
Wegener's granulomatosis appearing initially in, 593

Tracheal and laryngeal stenosis, endoscopic management and predictive factors of success or failure in, 384

Tracheobronchial obstruction from metastatic distant malignancies, 648

Tracheobronchial tree, cancer of, hematoporphyrin-derivative phototherapy for local treatment, 652

Tracheoesophageal fistula, a complication of foreign body, 325

Tracheostoma valve, postlaryngectomy voice rehabilitation with, 576

Tracheostomal stenosis following total laryngectomy, 450

Tracheostomy, pediatric, experience during past decade, 628

Tracheotomy, infant, 413
Treatment of severe subglottic stenosis without, 407

Tracheotomy patient, pediatric, home care of, 633

Transtracheal oxygen system, respiratory rehabilitation with, 643

Trauma, laryngeal, primary management of, 399

Tumor, malignant mixed (Pathology consultation), 342
Warthin's, 246

Tumors, glomus, of temporal bone, infratemporal fossa approach for, 474

Pterygomaxillary, extended transantral approach to, 395

Turbinates, inferior nasal, surgery of, 445

Typhoid fever and cochleovestibular lesions, 220

Valve, tracheostoma, for postlaryngectomy voice rehabilitation, 576

Vaterite otoconia in otoconial membrane dysplasia, 193

Ventilation, Venturi jet, dynamics through operating laryngoscope, 615

Venturi jet ventilation, dynamics through operating laryngoscope, 615

Vestibular aqueduct and endolymphatic sac, postnatal development of, Suppl 96

Vestibular aqueduct and endolymphatic sac (rugose portion) in human temporal bones, dimensional anatomy and statistical analysis of, Suppl 96

Vestibular compensation, harmonic acceleration tests as measure of, 489

Vestibular ganglion in squirrel monkey, 44

Vestibular nerve, behavior following labyrinthectomy, Suppl 97:16

Vestibular nerve section, unilateral, and binocular counter-rolling during sustained body tilt, 225

Vestibular signs, central, anatomic specificity in posterior fossa lesions, 510

Vestibular subjective sensation and nystagmus responses during computerized harmonic acceleration tests, 493

Vocal cord paralysis, congenital hereditary bilateral abductor, 564

So-called idiopathic, observations on, 558

Vocal cord polyps, pathogenesis of, 378

Vocal rehabilitation, primary, use of Blom-Singer and Panje voice prostheses in, 458

Voice disorders, functional, classification and approach to patients with, 372

Voice rehabilitation, postlaryngectomy, tracheostoma valve for, 576

Waldenström's macroglobulinemia and bilateral middle ear carcinomas, 299

Warthin's tumor, 246

Wegener's granulomatosis appearing initially in trachea, 593

Wegener's granulomatosis of subglottis and upper portion of trachea, 588

X-ray study of the month: hypertelorism in nasal and paranasal sinus polyposis, 344

Intracavernous internal carotid artery aneurysm, 543

Rhabdomyosarcoma of nasopharynx, 230

